

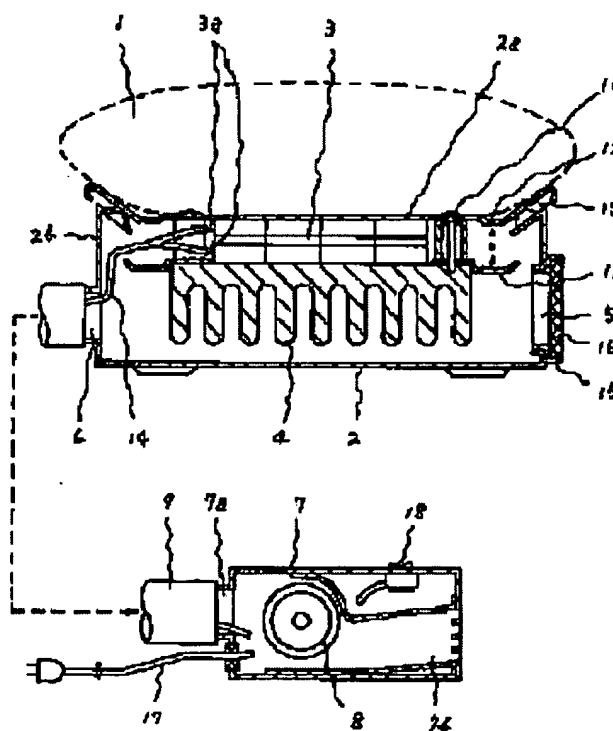
## COOLING STRUCTURE OF WATER PILLOW

**Patent number:** JP9182766  
**Publication date:** 1997-07-15  
**Inventor:** KATSUMATA KOJI; TSUCHIYA KEIICHI  
**Applicant:** TOYOTOMI KOGYO CO LTD  
**Classification:**  
 - **International:** A61F7/10; A61F7/10; F25B21/02  
 - **European:**  
**Application number:** JP19950352695 19951228  
**Priority number(s):** JP19950352695 19951228

[Report a data error here](#)

### Abstract of JP9182766

**PROBLEM TO BE SOLVED:** To enable a water pillow to be continuously used by making it unnecessary to replace an ice, for a patient, e.g. in a hospital ward. **SOLUTION:** A frame 2 to be laid under a water pillow is equipped with a Peltier element 3 and a radiator 4, and the radiator 4 is installed on the upper face plate 2a of the frame 2 while holding the Peltier element 3. In addition, an air blower frame 7 is provided at a position remote from the frame 2, and the suction aperture 7a of the air blower frame 7 is connected to the discharge aperture 6 of the frame 2 with a discharge duct 9 so that the frame 2 and the air blower frame 7 are integrally bound together. If a suction fan 8 in the air blower frame 7 is operated, an air close to the water pillow is brought into the frame 2 from the suction aperture 5, then is sucked into the suction fan 8 through the discharge duct 9 while cooling the radiator 4, and finally is discharged to a spot such as below a bed away from the water pillow.



Data supplied from the esp@cenet database - Worldwide